CLAIMS:

1.   A network comprising a loop having therein a plurality of loop network monitors, each loop network monitor having an RS-485 port connected to a host which transmits and receives data, and two further RS-485 ports by way of which the monitors are connected into the loop.

2.   A network as claimed in claim 1, and including router logic under the control of a microprocessor for controlling the transmission of data through the monitor.

3.   A network as claimed in claim 1 or 2, wherein the first mentioned RS-485 port comprises termination jumpers which can be set in dependance on the ' nature of the host, an RS-485 transceiver and means for isolating the host from the router logic.

4.   A network as claimed in claim 1, 2 or 3, wherein each of said further ports comprises a termination, an RS-485 transceiver, and means for isolating the router logic from the loop.

5.   A network as claimed in claim 3 or 4, wherein each of said means forisolating comprises an opto coupler.

6.   A network loop monitor comprising an RS-485 port for connection to a

host which transmits and receives data, and two further RS-485 ports for connecting the

monitor into the loop.

7.   A network loop monitor as claimed in claim 6, wherein the

first mentioned RS-485 port comprises termination jumpers which can be set

in dependance on the nature of the host, an RS-485 transceiver and means

for isolating the host from the router logic.

8.   A network loop monitor as claimed in claim 6 or 7, wherein

each of said further ports comprises a termination, an RS-485 transceiver, and

means for isolating the router logic from the loop.

9.   A network loop monitor as claimed in claim 6, 7 or 8, wherein

each of said means for isolating comprises an opto coupler.